

	PROGRAM ARTISTE 2025 CONFERENCE			
	September 14	September 15	September 16	September 17
	Sunday	Monday	Tuesday	Wednesday
8:30 - 9:00		Registration SALA delle Colonne		
9:00 - 10:45		SALONE D'ONORE		
		Opening Cerimony Welcome speech of the Chairperson	Keynote Lecture Mark Sarkisian	Keynote Lecture Sigrid Adriaenssens
		Keynote Lecture Xinzheng Lu	Keynote Lecture Konstantinos Tsavdaridis	Keynote Lecture Stergios Mitoulis
10:50 - 11:20		Coffee Break - SALA delle Colonne		
11:30 - 12:30		SALONE D'ONORE SS05 A	SALONE D'ONORE SS14A	SALONE D'ONORE SS13 A
		STANZA DELLA CACCIA SS02 A	STANZA DELLA CACCIA SS04A	STANZA DELLA CACCIA SS01 A
		STANZA DEI GIGLI SS010 A	STANZA DEI GIGLI SS06 A	STANZA DEI GIGLI SS09 B
		STANZA DELLO ZODIACO SS03 A	STANZA DELLO ZODIACO SS07	STANZA DELLO ZODIACO SS15 A
12:30 - 13:30		SALONE D'ONORE SS05 B	SALONE D'ONORE SS14 B	SALONE D'ONORE SS13 B
		STANZA DELLA CACCIA SS02 B	STANZA DELLA CACCIA SS04 B	STANZA DELLA CACCIA SS01 B
		STANZA DEI GIGLI SS10 B	STANZA DEI GIGLI SS06 B	STANZA DEI GIGLI SS09 C
		STANZA DELLO ZODIACO SS03 B	STANZA DELLO ZODIACO SS09 A	STANZA DELLO ZODIACO SS15 B
13:30 - 14:30		Lunch Break - SALA delle Colonne		
		SALONE D'ONORE		
14:45 - 15:30		Keynote Lecture Bill Spencer	Keynote Lecture Hojjat Adeli	Keynote Lecture Filippo Ubertini
15:30 - 16:15		Keynote Lecture Eleni Chatzi	Keynote Lecture Yong Xia	Keynote Lecture Josephine V. Carstensen
16:30 - 16:50		Coffee Break - SALA delle Colonne		
17:00 - 18:30		SALONE D'ONORE SS12	SALONE D'ONORE SS14 C	SALONE D'ONORE SS05 D
		STANZA DELLA CACCIA SS02C	STANZA DELLA CACCIA SS04 C	STANZA DELLA CACCIA SS01 C
		STANZA DEI GIGLI SS05C	STANZA DEI GIGLI SS03 C/SS11	STANZA DEI GIGLI SS09 D
		STANZA DELLO ZODIACO SS08A	STANZA DELLO ZODIACO SS08 B	STANZA DELLO ZODIACO SS15 C
			SALONE D'ONORE	
18:40 - 19:25	Registration SALA delle Colonne	Keynote Lecture Jose Matos	Keynote Lecture Henry Burton	Closing Cerimony Salone d'Onore
19:00 - 21:30	Welcome Cocktail SALA delle Colonne			
21:00 - 23:30		Social Dinner Canottieri Caprera		

	September 15 - Monday			
8:30 - 9:00	Registration - SALA delle Colonne			
9:00 - 10:45	Opening Session: Artiste 2025 Co-Chairs: Prof. Giuseppe Carlo Marano, Prof. Domenico Asprone, Prof. Xinzheng Lu, Prof. Nikos D. Lagaros Welcome speech by the Chair Person: Giuseppe Carlo Marano - Salone d'Onore Initial Greetings: Prof. Stefano Corgnati - Rector of Politecnico di Torino, On. Michele Picaro - European Parliament, Prof. Sebastiano Foti - Department Head DISEG			
	Keynote Lecture Salone d'Onore: Xinzheng Lu - Generative AI-Driven Structural and Safety Design across Multiple-Domain Engineering			
10:50 - 11:20	Coffee Break- SALA delle Colonne			
11:30 - 12:30	SALONE D'ONORE SS05 - Part A: Innovative AI approaches in Structural Optimization, Design and Control Chair: G. A. Rassati Co-chair: G. Marano	STANZA DELLA CACCIA SS02 - Part A: Transfer learning for Structural Health Monitoring: innovations and applications Chair: I. Venanzi Co-chair: Marco M. Rosso	STANZA DEI GIGLI SS10 - Part A: Artificial Intelligence Approaches for Seismic Risk Assessment and Mitigation of Structures Chair: S. Mitoulis Co-chair: R. Cucuzza	STANZA DELLO ZODIACO SS03 - Part A: Machine Learning Techniques in Uncertainty Quantification in Structural Engineering Chair: S. Chakraborty, S. K. Mishra Co-chair:E. Lenticchia
	SS05- Part A_1: (Invited Speaker) Generative AI for Structural Engineering: A Practical Framework for Implementation and Validation Daniel Bichara ID134 GADGET CONFERENCE PRESENTATION	SS02 - Part A_1: Pointwise VIV Detection via Sequential Transfer Learning with Few-Shot Data Sun Ho Lee ID036	SS10 - Part A_1: Early-stage Automated Seismic Retrofitting Using Graph Neural Networks and Evolutionary Algorithms in a BIM Environment Abdellatif Hannachi ID012	SS03 - Part A_1: (Invited Speaker) Neural Network-Based Metamodeling Approach of Seismic Reliability Analysis of Structures Subrata Chakraborty ID031
		SS02 - Part A_2: A New Paradigm for Damage Detection and Assessment of Bridge Safety Heikki Lilja ID039	SS10 - Part A_2: Estimating debris extent from structural collapses using machine learning techniques Amir Reza Elahi ID045	SS03 - Part A_2: A Machine Learning (ML) Approach for Identification of Flutter Derivatives of Suspension Bridge-deck Ajay Kumar ID032
	SS05 - Part A_2: Evaluating a Frequency-Domain Anomaly Detector for Periodic Bridge Monitoring Under Environmental Variability Tommaso Pastore ID122	SS02 - Part A_3: Assessing the Exedra Hall Digital Twin with a Recorded Urban Blast Marianna Crognale ID052	SS10 - Part A_3: Multi-Objective Optimization of Honeycomb Lattice Steel Dampers for Lightweight and Seismic-Efficient Design Jaehoon Bae ID056	SS03 - Part A_3: Identification of Knockdown factor of composite cylindrical shell using Artificial Neural Network (ANN) Ayan Dutta ID035
	SS05 - Part A_3: Support Vector Regression for Hybrid Seismic Control of Nonlinear Base-Isolated Structure Equipped with an Active Tuned Mass Damper Mahdi Abdeddaim ID114 (remote presentation)	SS02 - Part A_4: Investigating similarity requirements for knowledge transfer across a network of rigid frame bridges Valentina Giglioni ID076	SS010 Part A_4: Preliminary results of the Bridge Risk Identification with Data-driven Geospatial Evaluation (BRIDGE) project Marco Civera ID055	SS03- Part A_4: Discovering Interpretable Blast Loading Equations from Black-Box Machine Learning Models Yanda Shao ID062
12:30 - 13:30	SALONE D'ONORE SS05 - Part B: Innovative AI approaches in Structural Optimization, Design and Control Chair: G. A. Rassati Co-chair: A. Manuello	STANZA DELLA CACCIA SS02 - Part B: Transfer learning for Structural Health Monitoring: innovations and applications Chair: V. Giglioni Co-chair: Marco M. Rosso	STANZA DEI GIGLI SS10 - Part B: Artificial Intelligence Approaches for Seismic Risk Assessment and Mitigation of Structures Chair: S. Mitoulis Co-chair: R. Cucuzza	STANZA DELLO ZODIACO SS03 - Part B: Machine Learning Techniques in Uncertainty Quantification in Structural Engineering Chair: S. Chakraborty, S. K. Mishra Co-chair: E.Lenticchia
	SS05 - Part B_1: Application of Evolutionary Algorithms to the Seismic Design of Reinforced Concrete Buildings with Chilean Typology Fernando Figueroa ID021	SS02 - Part B_1: Deep Learning-Based Automatic Diagnosis of PS Tendon Tensile Stress Using Yoke-Type E/M Sensor Data Ho-Jun Lee ID075	SS10 - Part B_1: Large language model-assisted inspection and decision support for post earthquake emergency response Giulio Mariniello ID153	SS03- Part B_1: Machine Learning-Based Reliability Prediction of Corrosion-Damaged Reinforced Concrete Beams Marcelo Carvalho ID123
	SS05 - Part B_2: Artificial Intelligence Powered Automation in the Design of Thin-Walled composite Structures for Crashworthiness applications Praveen Kumar ID041	SS02 - Part B_2: Leveraging digital twins for transfer learning in bridge SHM Ilaria Venanzi ID065	SS10 - Part B_2: Agile multi-objective of seismic retrofitting of existing building Besim Yukselen ID150	SS03- Part B_2:Random Forest-Based Analysis of Structural Sensor Metrics from the BEAST Facility Leonardo Zunino ID128
	SS05 - Part B_3: An integrated framework for assessing and optimizing climate change adaptation of public buildings Giulia Pierotti ID043	SS02 - Part B_3: Tensile Force Estimation of Mooring Lines Using a Yoke-Type E/M Sensor and RNN-LIME Method Sae-Byeok Kyung ID080	SS10 - Part B_3: Rotation-Independent Ground-Motion Framework: Data-Driven Clustering and Validation against Performance-Based Demand Metrics Santiago Londono Lopez ID085	SS03- Part B_3: Prediction of robust Knockdown Factors (KDFs) and sensitivity analysis in truncated conical shells: An Artificial Neural Network (ANN) and Support Vector Regression (SVR) based approach Rohan Majumder ID003
		SS02 - Part B_4: Physics-Inspired, AI-Driven Bridge Strike Detection and Characterization. Brett Story ID090	SS10 - Part B_4: AI-Driven Corrosion Quantification in Cementitious Materials for Structural Health Monitoring Gerardo Sorrentino ID115	SS03- Part B_4:Physics-Informed Neural Network based Probability Density Evolution for Reliability Analysis of Gas Distribution Networks Sourav Das ID008
13:30 - 14:30	Lunch Break - SALA delle Colonne			
14:45 - 15:30	Keynote Lecture Salone d'Onore: Bill Spencer - AI-informed Rapid Post-earthquake Inspection and Evaluation of Civil Infrastructure			
15:30 - 16:15	Keynote Lecture Salone d'Onore: Eleni Chatzi - A Physics-Enhanced Approach to Modelling and Monitoring Dynamics.			
16:30 - 16:50	Coffee Break- SALA delle Colonne			
17:00 - 18:30	SALONE D'ONORE SS12: AI-driven Transport Infrastructure Management: future of next smarter bridges and tunnels (italian) Chair: B. Chiaia Co-chair:G. Marano	STANZA DELLA CACCIA SS02 - Part C: Transfer learning for Structural Health Monitoring: innovations and applications Chair: I. Venanzi , V. Giglioni Co-chair: Marco M. Rosso	STANZA DEI GIGLI SS05 - Part C: Innovative AI approaches in Structural Optimization, Design and Control Chair: G. A. Rassati Co-chair: S. Sessa	STANZA DELLO ZODIACO SS08 - Part A: Hybrid AI Strategies in Seismic Engineering: A Machine Learning Framework for Structural Systems Chair: D. Asprone Co-chair: T. Pastore, G. Mariniello
		SS02 - Part C_1: Design of semi-active control system for bistable metapanel. Cristian Capodicasa ID100	SS05 - Part C_1: (Invited Speaker) AI driven strategies for structures and infrastructures Dario Lo Bosco (remote presentation)	SS08 - Part A_1: Seismic response assessment of reinforced concrete structures using machine learning methods Farzin Kazemi ID010
		SS02 - Part C_2: Transfer learning via interpolating structures. Tina Dardeno ID109	SS05 - Part C_2: A Machine Learning Framework for the Ultimate Capacity Assessment of Structural Sections Salvatore Sessa ID040	SS08 - Part A_2: Machine learning-based predictive model for probabilistic seismic response assessment of reinforced concrete shear walls Neda Asgarkhani ID011
	ID S004 Introduction: Giuseppe Carlo Marano Alberto Carlucci - ASPI, Luca D'Accardi InfraTo, Andrea Vecchi - RFI, David Loncarevic - Gruppo SIS - SPN, Giuseppe Pasqualato - Gruppo ASTM, Valerio Mele - Stretto di Messina, Maurizio Biccellari - Anas, Marco Rocchi - Strada dei Parchi, Final Round Table	SS02 - Part C_3: Satellite-informed population-based structural health monitoring of masonry arcades. Wael Alahmad ID111	SS05 - Part C_3: AI-Enhanced Time Series Methods for Optimizing Commodity Trading in Additive Manufacturing Supply Chains for Construction Chandrinós Spyros ID086 (remote presentation)	SS08 - Part A_3: Physics-Informed LSTM Model for Dynamic Response Prediction and Reliability Analysis Arunasis Chakraborty ID033
		SS02 Part C_4: GNSS and AI Techniques for Hazardous Zone Estimation and Prediction to Enhance Crane Safety Eunyul Lee ID131	SS05 - Part C_4: Advances in Missing Data Imputation for Concrete Structural Engineering Applications Jinghou Bi ID088	SS08 - Part A_4: Intelligent inspection of bridge bearings through an engineering constrained ML approach Giuseppe Santarsiero ID046
		SS02 - Part C_5: Automated damage detection in RC bridges using deep learning models for analyses of sensors measurement and drone imagery Antonio Bilotta ID148	SS05 - Part C_5: MORL–DB method. Declining Reinforcement Learning into the Structural Multi-Objective Optimisation context Lorenzo De Santanna ID147	SS08- Part A_5: Quantification of uncertainty in damage estimation combining ensemble of ML algorithms Sayandip Ganguly ID034
		SS02 - Part C_6: A population of laboratory-scale bridges for validating transfer learning in PBSHM Valentina Giglioni ID145		
18:40- 19:25	Keynote Lecture Salone d'Onore: Josè Matos - How Artificial Intelligence could be used towards the sustainable Management of existing infrastructures			

	September 16 - Tuesday			
8:30 - 9:00	Registration - SALA delle Colonne			
9:00 - 10:45	Keynote Lecture Salone d'Onore: Mark Sarkisian - Innovative Applications of AI in Built Structures			
	Keynote Lecture Salone d'Onore: Konstantinos Tsavdaridis - Structural Design Codes with AI: From Safety Margins to Smart Design			
10:50 - 11:20	Coffee Break- SALA delle Colonne			
11:30 - 12:30	SALONE D'ONORE SS14 - Part A: Smart Engineering for Circular Steel Structures: AI and Evolutionary Algorithms for Sustainable Design Chair: K. Tsavdaridis Co-chair: R. Cucuzza	STANZA DELLA CACCIA SS04 - Part A: Data-Driven and AI-Assisted Evaluation and Design of Cement-Based Materials and Structures for Environmental Sust. Chair: C. Demartino Co-chair: Marco M. Rosso	STANZA DEI GIGLI SS06 - Part A: Structural identification and knowledge transfer for civil engineering applications Chair:Y. Xia Co-chair: G. Miraglia	STANZA DELLO ZODIACO SS07: Emerging applications of LLMs for structural engineering Chair: A. Castagnone Co-chair: G. Marano
	SS14 - Part A_1 (invited Speaker): Data-driven and advanced manufacturing solutions for sustainable steel reuse Alper Kanyilmaz ID061	SS04 - Part A_1: Sustainable concrete mix with plastic waste aggregates Marco Martino Rosso ID097 SS04 - Part A_2: Prediction of Ultimate Bond Strength in CFRP–Concrete Bond–Slip Systems Using Ensemble Machine Learning Models Jamal A. Abdalla ID135	SS06 - Part A_1: Leveraging InSAR archives for population-based structural health monitoring of bridges. Said Quqa ID106 SS06 - Part A_2: Extraction of Vibration Characteristics of a Simple Beam Structure Using UAV Vision Tracking Mohammad Ashour ID051	SS07_1 (invited Technical speech): Applicazioni emergenti dei Large Language Models (LLM) per l'Ingegneria Strutturale - Emerging Applications of Large Language Models (LLM) for Structural Engineering Adriano Castagnone ID S001 - ID117
	SS14 - Part A_2: Global-local structural optimization of hibrid gridshell structures from decomissioned lattice towers Vittoria Laghi ID071	SS04 - Part A_3: Influence of Constituent Characteristics and Blend Ratios on Concrete Workability and Strength: A Hyperparameter Optimized RFM-based Approach Vishnukumar Chechani ID027	SS06 - Part A_3: Probabilistic–Adaptive–Physics-Informed Normalisation of Temperature-Induced Frequency Drift in the Marcus Aurelius Exedra Hall Vincenzo Gattulli ID054	SS07_2 (invited Technical speech): Structural and Software Innovation in hybrid MTR systems Alberto De Gennaro ID S002
	SS14 - Part A_3: Optimization of Steel Exoskeletons for sustainable seismic Retrofit Francesco Esposito ID073	SS04 - Part A_4: Modeling the chloride transport into cracked concrete through Physics-Informed Neural Network Zhewen Huang ID030	SS06 - Part A_4: Estimation of Flexural Rigidity Distribution in Euler–Bernoulli Beams: Numerical and Experimental Investigation using Acceleration Data and Physics-Informed Neural Networks Tsukasa Mizutani ID060	SS07_3: Automated Damage Classification and Code-Based Reporting in Bridge Inspections Using Deep Learning Algorithms Giuseppe Santarsiero ID006
12:30 - 13:30	SALONE D'ONORE SS14 - Part B: Smart Engineering for Circular Steel Structures: AI and Evolutionary Algorithms for Sustainable Design Chair: K. Tsavdaridis Co-chair: Raffaele Cucuzza	STANZA DELLA CACCIA SS04 - Part B: Data-Driven and AI-Assisted Evaluation and Design of Cement-Based Materials and Structures for Environmental Sust. Chair: C. Demartino Co-chair: Marco M. Rosso	STANZA DEI GIGLI SS06 - Part B: Structural identification and knowledge transfer for civil engineering applications Chair:Y. Xia Co-chair: S. Coccimiglio	STANZA DELLO ZODIACO SS09 - Part A: Intelligent Non-destructive Testing and Evaluation for Structures Chair: D. Asprone Co-chair:J. Melchiorre
	SS14 - Part B_1 (invited Speaker): Structural Engineering in the World of AI – Is It a Better Loom? Gian Andrea Rassati ID081	SS04 - Part B_1: Bayesian Estimation of Concrete Service Life Using On-Site Data and Physics-Based Models Gihan Weerasinghe ID059 SS04 Part B_2: Fast-Track Code-Based Seismic Vulnerability Screening with Machine Learning: Evidence from 300 Italian Buildings Angelo Aloisio ID139	SS06 - Part B_1: Automatic multi-modal anomaly detection for smart structures with wind bridge infrastructure engineering applications Marios Impraimakis ID079 SS06 - Part B_2: Open-set classifier for separating structural and non-structural vibrational modes in operational modal analysis Gaetano Miraglia ID091	SS09 - Part A_1: Balancing Real and Synthetic Data for CNN-based Masonry Crack Detection. Alfonso Esposito ID102 SS09 - Part A_2: Next-generation struct. health monit. automation: an AI-powered framework incorporating modal analysis, dual-stage damage verification, and localization Hamed Hasani ID107
	SS14 - Part B_2: Simplified approach for reuse-based optimization of steel gridshell Fabrizio Ascione ID074	SS04 - Part B_3: Data-Driven Neural Network Modeling of Cement-Based Materials for Enhanced Structural Performance and Sustainability Stefanos Voulgaris ID087 (remote presentation)	SS06 - Part B_3: Physics-Informed machine learning for efficient calibration of mechanical parameters via surrogate modeling Stefania Coccimiglio ID093	SS09 - Part A_3: Ductile-Fragile Transition: A Novel Comparison Between Fracture Mechanics of Materials and Framed Structures. Alessandro Calvi ID105 (remote presentation)
	SS14 - Part B_3: Reusing steel: Is It Possible? Challenges and opportunities Raffaele Cucuzza ID133	SS04 - Part B_4: AI-Assisted Predictive Design Framework for Preliminary Design of Prestressed Concrete I-Girder Bridge Superstructure Naveed Anwar ID053	SS06 - Part B_4: Adapted Masked Compressed Sensing Framework for Structural Health Monitoring: Reliable Modal Analysis under High Compression. Gabriele Ravaglia ID113	SS09 - Part A_4: Physics-Informed Machine Learning for FRP-Confined Cylinders: Bayesian-Opt. Hybrid Framework Bridging Empirical Models and Robotic Applications. Wenyu Wang ID089 (remote presentation)
13:30 - 14:30	Lunch Break- SALA delle Colonne			
14:45 - 15:30	Keynote Lecture Salone d'Onore: Hojjat Adeli - An increasingly Ubiquitous Technology: Advances and Pitfalls			
15:30 - 16:15	Keynote Lecture Salone d'Onore: Yong Xia - Computer Vision-based Full-field Vibration Measurement of Large-scale Structures			
16:30 - 16:50	Coffee Break- SALA delle Colonne			
17:00 - 18:30	SALONE D'ONORE SS14 - Part C: Smart Engineering for Circular Steel Structures: AI and Evolutionary Algorithms for Sustainable Design Chair: K. Tsavdaridis Co-chair: R. Cucuzza	STANZA DELLA CACCIA SS04 - Part C: Data-Driven and AI-Assisted Evaluation and Design of Cement-Based Materials and Structures for Environmental Sust. Chair: C. Demartino Co-chair: Marco M. Rosso	STANZA DEI GIGLI SS03 - Part C & SS11: Machine Learning Techniques in Uncertainty Quantification in Structural Engineering and Graphs for Struct. Eng. Chair: D. Brennan Co-chair: F. Esposito	STANZA DELLO ZODIACO SS08 - Part B: Hybrid AI Strategies in Seismic Engineering: A Machine Learning Framework for Structural Systems Chair: D. Asprone Co-chair: J. Melchiorre
	SS14 - Part C_1 (invited Speaker): Inverse design of novel functionally graded porous structures via diffusion models Kang Gao ID070	SS04 - Part C_1: (invited Technical speech): AI-driven digital twins: Towards automated model and predictive maintenance Guido Camata ID S003 ID154	SS03 - Part C_SS11_1: On the topology and geometry of population-based SHM: Part II, Sheaves on graphs Aldan Hughes ID077 SS03 - Part C_SS11_2: Towards AI-assisted Digitalisation of Structural Engineering Workflows Jia Tong See ID078	SS08 - Part B_1 (invited Speaker): Size Optimization of Steel Trusses with Controlled Plastic Deformation Using a Hybrid Neural Network–Genetic Algorithm Approach Majid Movahedi Rad ID049
	SS14-Part C_2: Optimization of rc frame-shear wall buildings with variable wall height and layout Jana Olivo ID084	SS04 - Part C_2: Generative Design and Optimisation of Ultra-High-Performance Concrete Mixes Using Variational Autoencoders, Ensemble learning, and Genetic Algorithms Lenganji Simwanda ID121	SS03 - Part C_SS11_3: Reducing Structural Graphs to Enable Scalable Structure Comparison Connor O'Higgin ID082	SS08 - Part B_2: A Visual Intelligence Framework for Earthquake Damage Classification Gamze Dogan ID092
	SS14 - Part C_3: Development of a Novel Integrated Framework for Evolutionary Sustainability and Resilience Assessment of the Built Environment. Roberta Di Bari ID095	SS04 - Part C_3: AI-Driven Optimization of Recycled Concrete Aggregates in Asphalt Mixtures for Sustainable Civil Engineering Applications Xiaotong Du ID099 (remote presentation)	SS03 - Part C_SS11_4: Polynomial Chaos Kriging and Mesh Refinement for Reliability Analysis of Brittle Fracture: A Dual Adaptive Framework Avinandan Modak ID026	
	SS14 - Part C_4: Structuring of wall buildings based on artificial neural networks Leonardo Massone ID025		SS03 - Part C_SS11_5: Statistical finite element models from graph representations of structures Brandon O'Connell ID138	
18:40- 19:25	Keynote Lecture Salone d'Onore: Henry Burton - Artificial Intelligence in Structural Engineering: From Statistical and Machine Learning to Causal Analysis (remote connection)			
21:00 - 23:30	Social Dinner			

	September 17 - Wednesday			
8:30 - 9:00	Registration - SALA delle Colonne			
9:00 - 10:45	Keynote Lecture			
	Salone d'Onore: Sigrid Adriaenssens - Learning to Design Lightweight Structures: Accelerating Form-Finding through Machine Learning and Differentiable Programming			
10:50 - 11:20	Keynote Lecture			
	Salone d'Onore: Stergios Mitoulis - Non-destructive bridge damage characterisation: from traditional approaches to novel ensemble learning			
11:30 - 12:30	Coffee Break- SALA delle Colonne			
	SALONE D'ONORE SS13 - Part A: ML-Enabled Conceptual Structural Design Chair: P. D'Acunto, M. Tam Co-chair: A. Manuello	STANZA DELLA CACCIA SS01 Part A: Probabilistic Digital Twins in Structural Health Monitoring Chair: P.F. Giordano Co-chair: M. Domaneschi	STANZA DEI GIGLI SS09 - Part B: Intelligent Non-destructive Testing and Evaluation for Structures Chair: P. Asprone, C. Demartino Co-chair: Marco M. Rosso	STANZA DELLO ZODIACO SS15 -Part A: Integrated Architectural and Structural Design through AI-Guided Generative Processes and Bio-Inspired Optimization Chair: P. Trovalusci , G. Cirrincione Co-chair: L. Sardone
	SS13 - Part A_1: (Invited Speaker) Physics-Aligned Generative Variational Force Density Method Kam-Ming Mark Tam ID146	SS01- Part A_1: Machine Learning-Based Nowcasting and Forecasting of Wind Profiles Jingyu Wei ID013	SS09 - Part B_1: Performance comparison of machine-learning approaches to tension force estimation for cables with non-negligible bending stiffness Luis Chillitupa-Palomino ID124	SS15-Part A_1: Design Optimization of Cable-stayed Bridges: Decoupling Strategy and Surrogate Modeling Yuan Ma ID140
	SS13 - Part A_2: Human-Guided Machine Learning for Structural and Architectural Design and Optimization of Gridshells Jonathan Melchiorre ID103	SS01 - Part A_2: Adverse environment forecasting Using Meteorological and Wind Profile Data for city digital twins Jingyu Wei ID014	SS09 - Part B_2: Development of an Autonomous LLM-Based Agent for Fatigue Analysis of In-Service Bridge Reinforced Concrete Slabs Using FEM Tomoki Takizawa ID126	SS15-Part A_2: Data-Driven Correlation of Corrugated Barrel Vaults with Seismic Shaping: Elastic FEA and Machine Learning Alireza Hosseini ID141
	SS13 - Part A_3: Compliance Driven Convolutional Neural Networks for Topology Optimization Alexandra Steelman ID083	SS01 Part A_3: Surrogate modeling of dynamical systems via Fourier neural operators Harrish Joseph ID120	SS09 - Part B_3: Computer vision-assisted framework to enhance rapid seismic risk assessment of corroded existing RC bridge piers Vincenzo Mario Di Mucci ID063	SS15-Part A_3: Optimizing Wind-excited Telecommunication Steel Tower Designs using Response Surface Method Gaurav Datta ID137 (remote presentation)
12:30 - 13:30	SALONE D'ONORE SS13 - Part B: ML-Enabled Conceptual Structural Design Chair: P. D'Acunto, M. Tam Co-chair: A. Manuello	STANZA DELLA CACCIA SS01 Part B: Probabilistic Digital Twins in Structural Health Monitoring Chair:P. F. Giordano Co-chair: M- Domaneschi	STANZA DEI GIGLI SS09 - Part C: Intelligent Non-destructive Testing and Evaluation for Structures Chair: D. Asprone, C. Demartino Co-chair: Marco M. Rosso	STANZA DELLO ZODIACO SS15 -Part B: Integrated Architectural and Structural Design through AI-Guided Generative Processes and Bio-Inspired Optimization Chair: P. Trovalusci, G. Cirrincione Co-chair: R. Cucuczza
	SS13 - Part B_1: Machine Learning Surrogates for Human-in-the-Loop Design Space Exploration in Early-Stage Structural Design Archie Luxton ID057	SS01 Part B_1: Computer vision-based characterization of crack patterns in existing RC bridges: proposal of a framework Sergio Ruggieri ID064	SS09 - Part C_1: A hybrid deep learning framework for crack detection and semantic segmentation of concrete surface Simone Salvatori ID044	SS14 - Part B_1: A framework for the sustainable design of a composite frame under cyclic loading Haider Ehsan Al-Laban ID009
	SS13 - Part B_2: Graph Neural Network Surrogate Models for Real Time Conceptual Structural Design Mustafa Cem Günes ID132	SS01 Part B_2: Digital Shadowing of Mechanical Systems through the Extended Kalman Filter and SINDy. Luca Rosafalco ID094	SS09 - Part C_2: A Hybrid Deep Learning and Clustering Approach for Optimal Sensor Placement in Structural Modal Monitoring Alessandro Feraudi ID072	SS15-Part B_2: Bridging Visual Programming and Natural Language Processing for AI-Enhanced Computational Design Workflows. Laura Sardone ID096
	SS13 - Part B_3: Generative AI in Structural Design: State of the art and future perspectives Mattia Siviero ID151	SS01 Part B_3: Learning nonlinear oscillations in complex engineering systems. Teng Ma ID108		SS15-Part B_3: Life Cycle Analysis-informed conceptual design of building structures using machine learning Maxime Pollet ID118
13:30 - 14:30	Lunch Break- SALA delle Colonne			
14:45 - 15:30	Keynote Lecture			
15:30 - 16:15	Salone d'Onore: Filippo Ubertini - Advancing SHM: Leveraging AI-Driven Algorithms to Integrate Multimodal Sensor Data, Models, and Structures at a Territorial Scale			
16:30 - 16:50	Keynote Lecture			
16:30 - 16:50	Salone d'Onore: Josephine V. Carstensen - AI Modeling of Expert Preferences in Freeform Structural Optimization (remote connection)			
17:00 - 18:15	Coffee Break- SALA delle Colonne			
	SALONE D'ONORE SS05 - Part D: Innovative AI approaches in Structural Optimization, Design and Control Chair: G. A. Rassati Co-chair: A. Manuello	STANZA DELLA CACCIA SS01 Part C: Probabilistic Digital Twins in Structural Health Monitoring Chair: L. Rosafalco Co-chair: P. F. Giordano	STANZA DEI GIGLI SS09 - Part D: Intelligent Non-destructive Testing and Evaluation for Structures Chair: D. Asprone, C. Demartino Co-chair: M. Rosso	STANZA DELLO ZODIACO SS15 -Part C: Integrated Architectural and Structural Design through AI-Guided Generative Processes and Bio-Inspired Optimization Chair: G. Cirrincione, P. Trovalusci Co-chair: L. Sardone
	SS05 - Part D_1: AI-Driven Evolutionary Design Optimization and Form Finding for Sustainable Gridshells Jonathan Melchiorre ID104	SS01 Part C_1: Integrated Structural Health Monitoring of the A21 Po River Bridge Using In-Situ Sensors and Satellite Data Pier Francesco Giordano ID127	SS09 - Part D_1: Thin concrete crack quantification using deep learning assisted with information fusion and super-resolution Mingyang Ren ID020	SS15-Part C_1: (Invited Speaker) Towards a new architecture didactic method: the use artificial intelligence as a support for students' creativity. Dario Costantino ID110
	SS05 - Part D_2: Global Sensitivity Analysis of Structural Engineering Models as an Aid for Design Shogo Washio ID058	SS01 Part C_2: Life Cycle Optimization for Complex Engineering Systems through Critic Look-Ahead Simulated Annealing and Hierarchical Reinforcement Learning Ziead Metwally ID143	SS09 - Part D_2: Practical Optimization through Surrogate Stacking: Navigating Compute Budgets and Data Scarcity Marco Cesco ID050 (remote presentation)	SS15-Part C_2: Fiber & Folded Pavilion: Artificial Intelligence, Computational Design, and Digital Fabrication in Fiber-Based Architectural Structures. Alessandro Angione ID101
	SS05 - Part D_3: Recent developments of an Optimization procedure for seismic upgrading of existing RC structures Francesco Nigro ID142	SS01 - Part C_3: Comparison of EGMS and user-processed Sentinel-1 InSAR data for pre- and post-collapse analysis of the Himera viaduct Raffaele Tarantini ID152 (remote presentation)	SS09 - Part D_3: Novel Backpropagation Neural Network Approach for Predicting Impact-Induced Failure Modes in CFRP-Wrapped Reinforced Concrete Structures. Khalil Al-Bukhaiti ID047	SS15-Part C_3: Artificial intelligence to enhance creativity in architecture and design: a case study. Ilaria Cavaliere ID112
18:40- 19:25	SS05- Part D_3: Prediction of Soil Shear Strength Using Machine Learning Tony Munene ID042			SS15-Part C_4: From Geometry to Matter: AI-Assisted Design in Additive Manufacturing Dustin White ID125
	Commision of Outstanding Presentations ALL SESSIONS			
18:40- 19:25	Closing cerimony Salone d'Onore			